



- 1 End connectors with optional strain relief
- 2 Interior gentle on the cables without projecting edges
- **3** Integrated noise damping
- 4 Dividers and height separations for separating the cables
- **5** Quick and easy opening from any position
- 6 Secure cover attachment even under severe stresses (e.g. from hydraulic lines)
- 7 Chain links made of glass-fiber reinforced plastic
- 8 Bolt/hole connection and stroke system covered completely
- 9 Designs with inward or outward opening crossbars
- **10** Covers completely detachable on one side
- 11 Cover sheet for universal end connectors

Features

- » Excellent cable protection in the connector area
- » Chip and dirt resistant due to smooth surfaces
- » Extensive unsupported length
- » High torsional rigidity
- » Low noise emission
- » Numerous custom material types for custom applications available
- » Easy-to-open cover with simultaneously high retention force on the chain link during operation
- » Measurement scale for easy alignment of the dividers
- » TKA55: IP54 tested and certified*































Optimized utilization of the interior space; vertical and horizontal inner distribution possible



Easy-open covers from any position offer secure fastening



Triple-stroke system for extensive unsupported length



Universal end connector with option for integrating strain relief elements

Subject to change without notice.

K series

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKA series | Overview

Туре	Opening variant	Stay variant	h _i [mm]	h _G [mm]	B i [mm]	B _k [mm] ←	B _i - grid [mm] Xmm ←	t [mm]	KR [mm]	Additional load ≤ [kg/m]	Cable-d _{max} [mm]
TKA30											
		060	20.5	28.5	15 – 65	28 - 78	-	30.5	55 – 180	3	16
		080	20.5	28.5	15 – 65	28 – 78	-	30.5	55 - 180	3	16
)_))_											
TKA38											
		060	26	36	25 - 130	41 – 146	-	38.5	70 – 230	5	20
		080	26	36	25 - 130	41 – 146	-	38.5	70 - 230	5	20
TKA45											
		060	36	50	50 - 150	66 – 166	-	45.5	82 - 230	6	28.5
		080	36	50	50 - 150	66 – 166	-	45.5	82 - 230	6	28.5
TKA55											
		060	45	64	50 - 250	70 – 270	-	55.5	100 – 300	15	36
		080	45	64	50 - 250	70 – 270	-	55.5	100 – 300	15	36
777											

TKA series | Overview

Unsuppo	rted arraı	ngement	Glidin	g arrange	ment	I	nner Dis	tributio	n		oveme		Page	
Travel length ≤ [m]	V _{max} ≤[m/s]	$a_{\text{max}} \le [\text{m/s}^2]$	Travel length ≤ [m]	V _{max} ≤[m/s]	a max ≤ [m/s ²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	<u>~</u>	®WIITUdd
		S								Ve	Ē			
3.5	10	50	80	2.5	25	•	•	-	-	•	•	-	582	>
3.5	10	50	80	2.5	25	•	•	_	-	•	•	-	583	
														UNIFLEX
														S
3.9	10	50	120	2.5	20	•	•	-	-	•	•	-	588	
3.9	10	50	120	2.5	20	•	•	_	-	•	•	-	589	Σ
4.7	9	45	125	3	20	•	•	-	•	•	•	-	594	TKUN
4.7	9	45	125	3	20	•	•	_	•	•	•	-	595	
														>
6.5	8	40	150	3	15	•	•	-	•	•	•	-	602	
6.5	8	40	150	3	15	•	•	_	•	•	•	-	603	© >
														®MITINALIO

UAT series

TKA30



Pitch 30.5 mm



Inner height 20.5 mm



Inner widths 15 – 65 mm



Bending radii 55 – 180 mm

Stay variants



Design 060 page **582**

Covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.



Design 080......page **583**

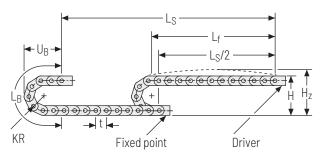
Covered on both sides with outside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

UNIFLEX Advanced series

TKA30 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



KR	Н	H_z	L_B	U_B
[mm]	[mm]	[mm]	[mm]	[mm]
55	139	164	234	100
75	179	204	297	120
95	219	244	359	140
125	279	304	454	170
145	319	344	516	190
180	389	414	626	225

Load diagram for unsupported length depending on the additional load.

Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

Intrinsic cable carrier weight q_k = 0.67 kg/m at B_i 50 mm. For other inner widths, the maximum additional load changes.



Speed up to 10 m/s



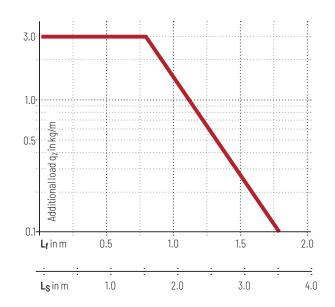
Acceleration up to 50 m/s²



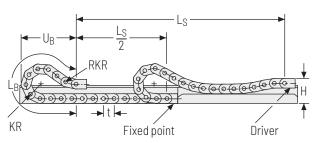
Travel length up to 3.5 m



Additional load up to 3 kg/m



Gliding arrangement





Speed up to 2.5 m/s



Acceleration up to 25 m/s²



The gliding cable carrier has to be routed in a channel. See p. 850.



Travel length up to 80 m



Additional load up to 3 kg/m

QUANTUM® series

> M series

TKHD series

XL series

QUANTUM® series

TKA30.060 | Dimensions · Technical data

Stay variant 060 – covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.

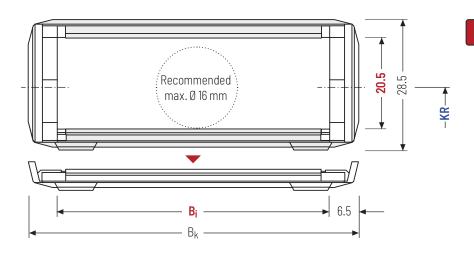




Stay arrangement on each chain link (VS: fully-stayed)



B_i 15 – 65 mm



The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

$$L_k \approx \frac{L_S}{2} + L_B$$

 $\begin{array}{c} \text{Cable carrier length } L_k \\ \text{rounded to pitch } t \end{array}$

hį	h _G	B _i	B_k	KR	q_k
[mm]	[mm]	[mm]	[mm]	[mm]	[kg/m]
20,5	28.5	15 20 25 38 50 65	B _i + 13	55 75 95 125 145 180	0.48 - 0.76



UNIFLEX Advanced series

> XL series

QUANTUM® series

TKR series

TKA series

TKA30.080 | Dimensions · Technical data

Stay variant 080 – covered on both sides with outside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

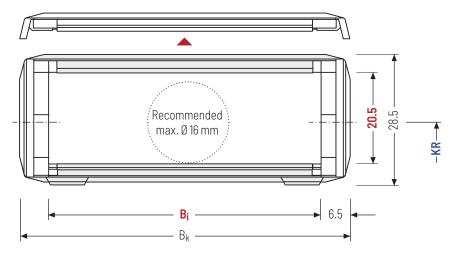




Stay arrangement on each chain link (VS: fully-stayed)



B_i 15 - 65 mm



 $\left[\mathring{l} \right]$

The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

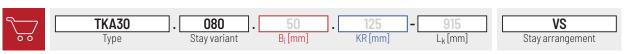
Calculating the cable carrier length

Cable carrier length Lk

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k rounded to pitch t

hi	h_G	B _i	B_k	KR	q_k
[mm]	[mm]	[mm]	[mm]	[mm]	[kg/m]
20,5	28.5	15 20 25 38 50 65	B _i + 13	55 75 95 125 145 180	0.48 - 0.76



TKHD series

XL series

QUANTUM®

TKA30 | Inner distribution | TS0 · TS1

Divider systems

As a standard, the divider system is mounted on every 2^{nd} chain link.

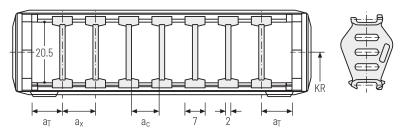
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section **(version A)**.

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

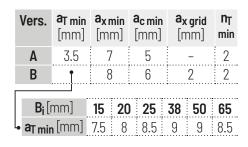
The locking cams click into place in the locking grids in the covers **(version B)**.

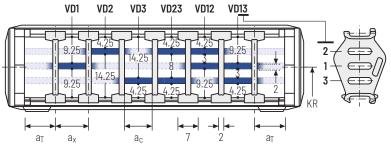
Divider system TSO without height separation

Vers.			a _{c min} [mm]	a_{x grid} [mm]	n _T min
Α	3.5	7	5	-	_
В	•	8	6	2	-
				38 50 9	

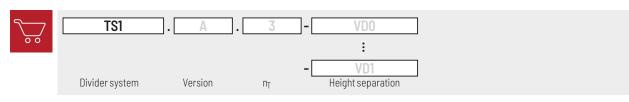


Divider system TS1 with continuous height separation





Order example



Please state the designation of the divider system **(TS0, TS1...)**, version and number of dividers per cross section $[n_T]$.

If using divider systems with height separation **(TS1)** please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

> XL series

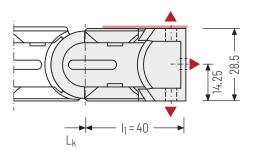
QUANTUM® series

TKR series

TKA30 | End connectors | UMB

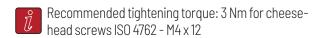
Universal end connectors UMB - plastic (standard)

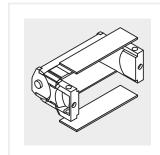
The universal end connectors (UMB) are made from plastic and can **be mounted from the top, from the bottom, or face on**.



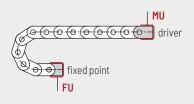
4.5 B i + 9 B i + 9 B i + 9

▲ Assembly options





The end connectors are also available as an option **without** cover sheets. Please state when ordering.



Connection point

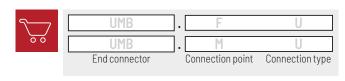
F - fixed point

M - driver

Connection type

U - Universal mounting bracket

Order example





We recommend the use of strain reliefs before driver and fixed point. See from p. 908.

UAT series

TKA38



Pitch 38.5 mm



Inner height 26 mm



Inner widths 25 – 130 mm



Bending radii 70 – 230 mm

Stay variants



Design 060......page **588**

Covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.



Design 080 page **589**

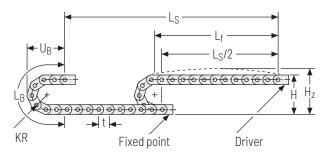
Covered on both sides with outside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

UNIFLEX Advanced series

TKA38 | Installation dim. | Unsupported · Gliding

Unsupported arrangement

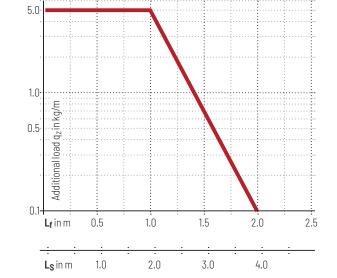


KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U_B [mm]
70	176	201	297	127
95	226	251	375	152
120	276	301	454	177
145	326	351	532	202
170	376	401	611	227
195	426	451	689	252
230	496	521	799	287

Load diagram for unsupported length depending on the additional load.

Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

Intrinsic cable carrier weight $q_k = 1.13 \text{ kg/m}$ at $B_i 78 \text{ mm}$. For other inner widths, the maximum additional load changes.





Speed up to 10 m/s



Acceleration up to 50 m/s²

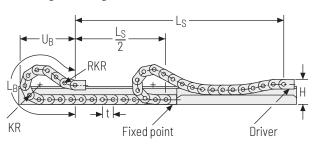


Travel length up to 3.9 m



Additional load up to 5 kg/m

Gliding arrangement





Speed up to 2.5 m/s



Acceleration up to 20 m/s²



The gliding cable carrier has to be routed in a channel. See p. 850.



Travel length up to 120 m



Additional load up to 5 kg/m

QUANTUM® series

TKA38.060 | Dimensions · Technical data

K eries

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR series

TKA series **Stay variant 060 –** covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.

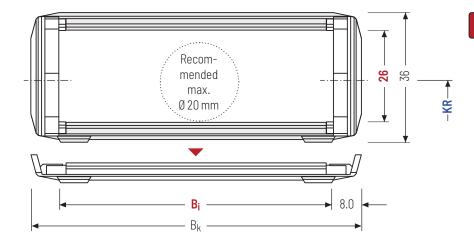




Stay arrangement on each chain link (VS: fully-stayed)



B_i 25 - 130 mm



The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k rounded to pitch t

hį	h_{G}	B _i	B_k	KR	q_k
[mm]	[mm]	[mm]	[mm]	[mm]	[kg/m]
26	36.75	25 38 58 78 103 130	B _i + 16	70 95 120 145 170 195 230	0.77 - 1.47



> XL series

QUANTUM® series

TKR series

TKA series

Stay variant 080 – covered on both sides with outside detachable cover

» Plastic cover for rough environmental conditions with dirt, chips or spray water.

- » Fully detachable on one side in any position.
- » Outside: very quick release.

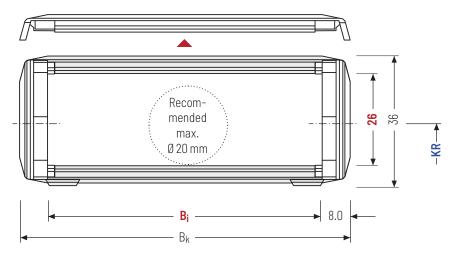




Stay arrangement on each chain link (VS: fully-stayed)



B_i 25 - 130 mm



 $\left[\mathring{\mathcal{J}}\right]$

The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

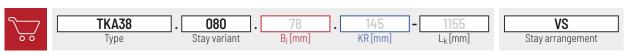
Calculating the cable carrier length

Cable carrier length Lk

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k rounded to pitch t

hi	h_G	B _i	B_k	KR	q_k
[mm]	[mm]	[mm]	[mm]	[mm]	[kg/m]
26				70 95 120 145 170 195 230	



TKHD series

XL series

QUANTUM®

TKA38 | Inner distribution | TS0 · TS1

Divider systems

As a standard, the divider system is mounted on every 2^{nd} chain link.

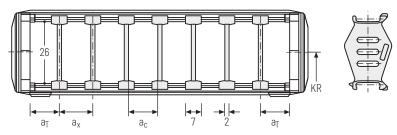
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section **(version A)**.

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

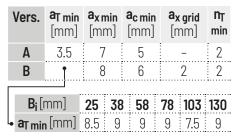
The locking cams click into place in the locking grids in the covers **(version B)**.

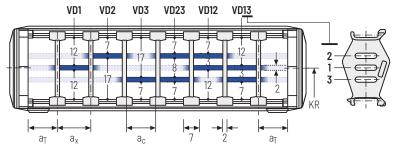
Divider system TSO without height separation

Vers.				a_{x grid} [mm]	n T min
Α	3.5	7	5	-	-
В	•	8	6	2	-
		· · · · · · · · • • · · · · · · · · · ·		78 103 9 7.5	

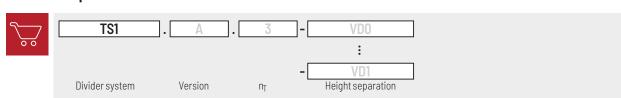


Divider system TS1 with continuous height separation





Order example



Please state the designation of the divider system **(TS0, TS1...)**, version and number of dividers per cross section $[n_T]$.

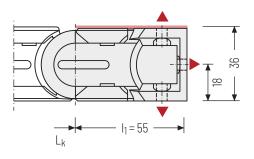
If using divider systems with height separation **(TS1)** please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

UNIFLEX Advanced series

TKA38 | End connectors | UMB

Universal end connectors UMB - plastic (standard)

The universal end connectors (UMB) are made from plastic and can be mounted from the top, from the bottom, or face on.

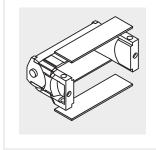


B_i - 22 Bi - 2 10

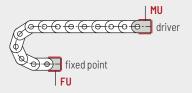
▲ Assembly options

Recommended tightening torque: 3 Nm for cheesehead screws ISO 4762 - M4 x 20

B i [mm]	B_{EF} [mm]	n _z		
25	43	2		
38	56	3		
58	76	5		
78	96	7		
103	121	9		
130	148	11		



The end connectors are also available as an option without cover sheets. Please state when ordering.



Connection point

F - fixed point

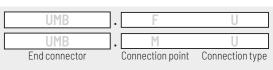
M - driver

Connection type

U - Universal mounting bracket

Order example





TKR series

XL series

QUANTUM® series

UAT series

TKA series

TKA45



Pitch 45.5 mm



Inner height 36 mm



Inner widths 50 - 150 mm



Bending radii 82 – 230 mm

Stay variants



Design 060......page **594**

Covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.



Design 080......page **595**

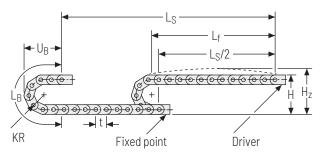
Covered on both sides with outside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

UNIFLEX Advanced series

TKA45 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



KR	Н	H_z	L_{B}	U_B
[mm]	[mm]	[mm]	[mm]	[mm]
82	214	249	348	153
95	240	275	389	166
125	300	335	483	196
145	340	375	546	216
170	390	425	625	241
200	450	485	719	271
230	520	555	814	301

Load diagram for unsupported length depending on the additional load.

Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

Intrinsic cable carrier weight q_k = 2.29 kg/m at B_i 150 mm. For other inner widths, the maximum additional load changes.



Speed up to 9 m/s



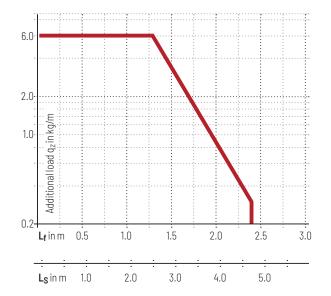
Acceleration up to 45 m/s²



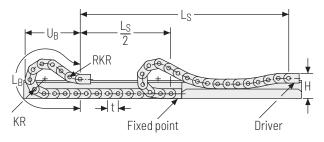
Travel length up to 4.7 m



Additional load up to 6 kg/m



Gliding arrangement





Speed up to 3 m/s



Acceleration up to 20 m/s²



The gliding cable carrier has to be routed in a channel. See p. 850.



Travel length up to 125 m



Additional load up to 6 kg/m

QUANTUM® series

TKA45.060 | Dimensions · Technical data

series

K eries

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR series

TKA series **Stay variant 060 –** covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.

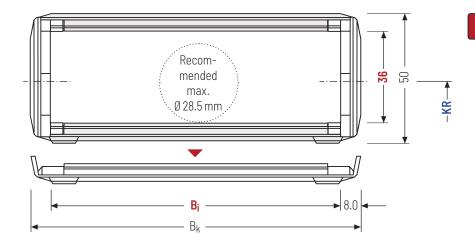




Stay arrangement on each chain link (VS: fully-stayed)



B_i 50 - 150 mm



The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k rounded to pitch t

hį	h _G	B _i	B_k	KR	q_k
[mm]	[mm]	[mm]	[mm]	[mm]	[kg/m]
36	51	50 75 100 125 150	B _i + 16	82 95 125 145 170 200 230	1.34 - 2.29



UNIFLEX Advanced series

> XL series

QUANTUM® series

TKR series

TKA series

TKA45.080 | Dimensions · Technical data

Stay variant 080 – covered on both sides with outside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

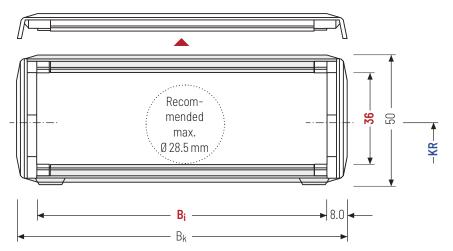




Stay arrangement on each chain link (VS: fully-stayed)



B_i 50 - 150 mm



 $\left[\stackrel{\circ}{\mathcal{U}}
ight]$

The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k rounded to pitch t

hi	h_G	B _i	B_k	KR	q_k
[mm] [[mm]	[mm]	[mm]	[mm]	[kg/m]
36	51	50 75 100 125 150	D 10 ;	82 95 125 145 170 200 230	1.34 – 2.29



TKA45 | Inner distribution | TS0 · TS1

PROTUM®

UNIFLEX Advanced series

TKHD series

XL series

QUANTUM®

TKR series

TKA series

Divider systems

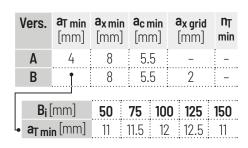
The divider system is mounted on every 2nd chain link as a standard.

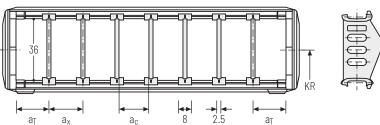
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (version A).

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

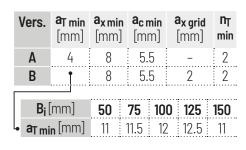
The locking cams click into place in the locking grids in the covers (version B).

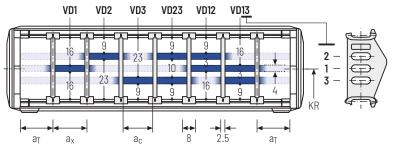
Divider system TS0 without height separation



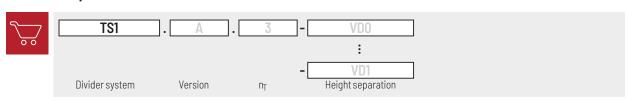


Divider system TS1 with continuous height separation





Order example



Please state the designation of the divider system (TSO, TS1...), version and number of dividers per cross section

If using divider systems with height separation (TS1) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

> XL series

JUANTUM®

TKR series

Divider system TS3 with height separation consisting of plastic partitions

As a standard, the divider **A** is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section. (**version A**).

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

The locking cams click into place in the locking grids in the covers **(version B)**.

Divider version A



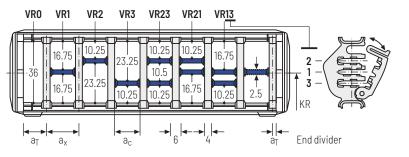
End divider

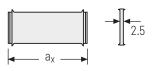


Vers.	a_{T min}	a_{x min}	a _{c min}	n T
	[mm]	[mm]	[mm]	min
Α	4/2*	14	10	2

^{*} For End divider

The dividers are fixed by the partitions. the complete divider system is movable in the cross section.





	a _x (center distance of dividers) [mm]															
	a _c (nominal width of inner chamber) [mm] 14 16 19 23 24 28 29 32 33 34 38 39 43 44 48 49 54															
14	16	19	23	24	28	29	32	33	34	38	39	43	44	48	49	54
10	12	15	19	20	24	25	28	29	30	34	35	39	40	44	45	50
58	59	64	68	69	74	78	79	80	84	88	89	94	96	99	112	
54	55	60	64	65	70	74	75	76	80	84	85	90	92	95	108	

When using **partitions with a_x > 49 mm** we recommended an additional preferential central support.

Order example



TS3]. A .	3	. K1		34 -	VR1
			:		:	:
			. K4	<u> </u>	38 -	VR3
Divider system	Version	n_T	Chamb	er	a _X	Height separation

Please state the designation of the divider system **(TS0, TS1....)**. version and number of dividers per cross section $[n_T]$. In addition. please also enter the chambers [K] from left to right. as well as the assembly distances $[a_T/a_X]$ (as seen from the driver).

If using divider systems with height separation **(TS1, TS3)** please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.

L 98

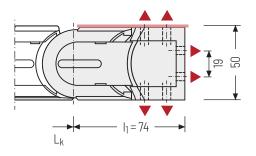
UAT series



TKA45 | End connectors | UMB

Universal end connectors UMB - plastic (standard)

The universal end connectors (UMB) are made from plastic and can be mounted from the top, from the bottom, or face on.

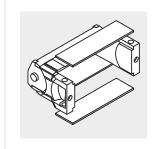


 $B_{i} - 29$ Bi - 6 12.5

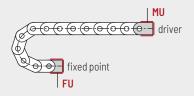
▲ Assembly options

Recommended tightening torque: 5 Nm for cheesehead screws ISO 4762 - M5 x 8.8

B_i [mm]	B EF [mm]	n _z
50	70	2 x 3
7 5	95	2 x 5
100	120	2 x 7
125	145	2 x 9
150	170	2 x 11



The end connectors are also available as an option without cover sheets. Please state when ordering.



Connection point

F - fixed point

M - driver

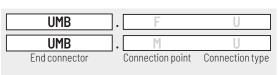
Connection type

U - Universal mounting bracket

Order example



Subject to change without notice.



TKA55



Pitch 55.5 mm



Inner height 45 mm



Inner widths 50 - 250 mm



Bending radii 100 – 300 mm

Stay variants



Design 060.....page **602**

Covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.



Design 080......page **603**

Covered on both sides with outside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

UNIFLEX Advanced series

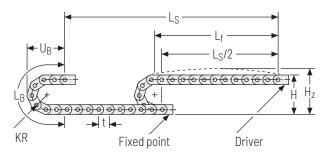
XL series

QUANTUM® series

TKR series

TKA55 | Installation dim. | Unsupported · Gliding

Unsupported arrangement

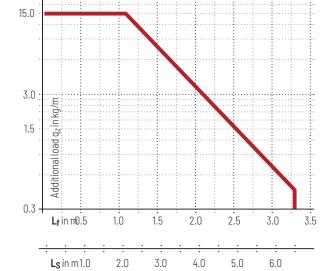


KR	Н	H_z	L_B	U_B
[mm]	[mm]	[mm]	[mm]	[mm]
100	264	304	425	188
120	304	344	488	208
140	344	384	551	228
170	404	454	645	258
195	454	494	725	283
225	514	554	818	313
250	564	604	896	338
300	664	704	1211	388

Load diagram for unsupported length depending on the additional load.

Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific applica-

Intrinsic cable carrier weight $q_k = 1.95 \text{ kg/m}$ at $B_i 50 \text{ mm}$. For other inner widths, the maximum additional load changes.





Speed up to 8 m/s



Acceleration up to $40 \, \text{m/s}^2$

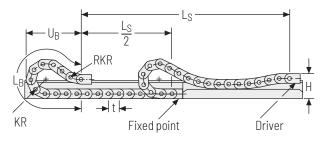


Travel length up to 6.5 m



Additional load up to 15 kg/m

Gliding arrangement





Speed



Acceleration up to 15 m/s^2



The gliding cable carrier has to be routed in a channel. See p. 850.



up to 3 m/s





Additional load up to 15 kg/m

TKA55.060 | Dimensions · Technical data

PROTUM® series

K series

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR series

TKA series **Stay variant 060 –** covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.

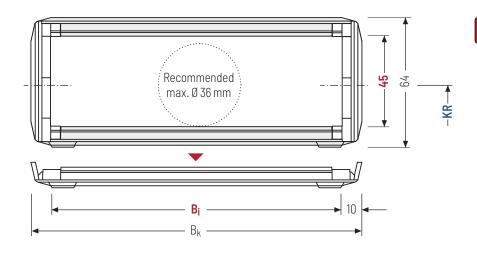




Stay arrangement on each chain link (VS: fully-stayed)



B_i 50 - 250 mm



The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

 $\begin{array}{c} \text{Cable carrier length } L_k \\ \text{rounded to pitch } t \end{array}$

h _i [mm]	h _G [mm]		B _i [mm]		B _k [mm]		K [m	q k [kg/m]		
/ E	65	50 75	100 125	150	B _i + 20	100	120	140	170	1,95
45	00	175 200	225 250		D _i + ZU	195	225	250	300	- 4,28



> XL series

QUANTUM® series

TKR series

TKA55.080 | Dimensions · Technical data

Stay variant 080 – covered on both sides with outside detachable cover

» Plastic cover for rough environmental conditions with dirt, chips or spray water.

- » Fully detachable on one side in any position.
- » Outside: very quick release.

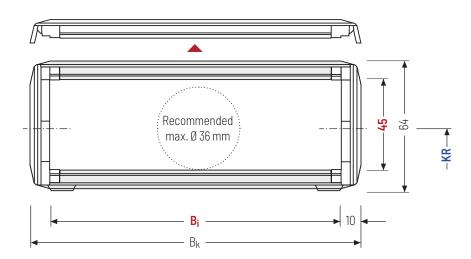




Stay arrangement on each chain link (VS: fully-stayed)



B_i 50 - 150 mm



 $\left[\stackrel{\circ}{\mathcal{U}} \right]$

The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Cable carrier length L_k rounded to pitch t

h _i [mm]	h _G [mm]		B i [mm]				B _k [mm]		K [m	(R ım]		q k [kg/m]	
/.E	GE.	50	75	100	125	150	D. ± 20	100	120	140	170	1,95	
45	55	175	200	225	250		Dj + ZU	195	225	250	300	4,28	



K series

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR series

TKA series

Divider systems

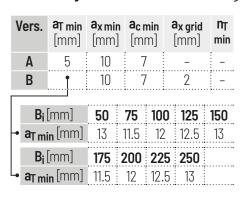
As a standard, the divider system is mounted on every 2nd chain link.

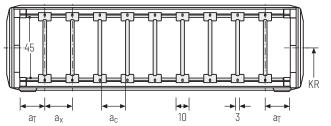
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section **(version A)**.

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

The locking cams click into place in the locking grids in the covers **(version B)**.

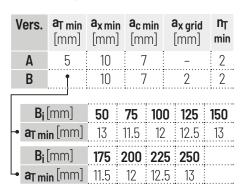
Divider system TSO without height separation

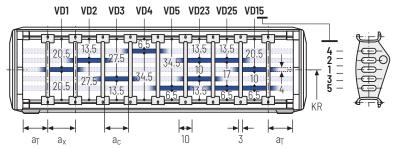




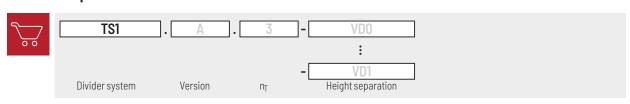


Divider system TS1 with continuous height separation





Order example



Please state the designation of the divider system **(TSO, TS1...)**, version and number of dividers per cross section $\lceil n_T \rceil$.

If using divider systems with height separation **(TS1)** please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

> XL series

JUANTUM®

TKR series

TKA55 | Inner distribution | TS3

Divider system TS3 with height separation consisting of plastic partitions

As a standard. the divider $\bf A$ is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section. (**version A**).

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

The locking cams click into place in the locking grids in the covers **(version B)**.

Divider version A



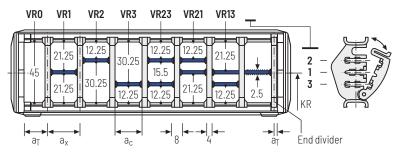
End divider

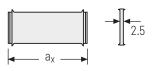


Vers.	a _{T min}	a _{x min}	a _{c min}	n T
	[mm]	[mm]	[mm]	min
Α	4/2*	14	10	2

^{*} For End divider

The dividers are fixed by the partitions. the complete divider system is movable in the cross section.





	a _x (center distance of dividers) [mm]															
	a _c (nominal width of inner chamber) [mm] 14 16 19 23 24 28 29 32 33 34 38 39 43 44 48 49 54															
14	16	19	23	24	28	29	32	33	34	38	39	43	44	48	49	54
10	12	15	19	20	24	25	28	29	30	34	35	39	40	44	45	50
58	59	64	68	69	74	78	79	80	84	88	89	94	96	99	112	
54	55	60	64	65	70	74	75	76	80	84	85	90	92	95	108	

When using **partitions with a_x > 49 mm** we recommended an additional preferential central support.

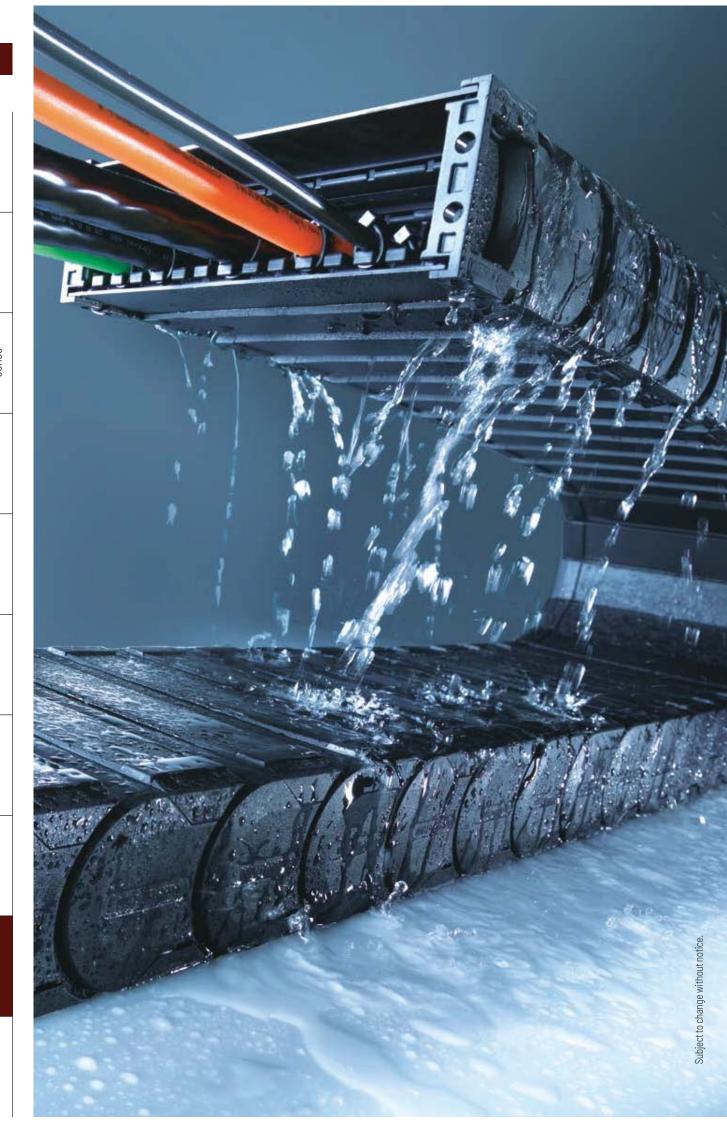
Order example



TS3]. A .	3	. K1		34 -	VR1
			:		:	:
			. K4	<u> </u>	38 -	VR3
Divider system	Version	n_T	Chamb	er	a _X	Height separation

Please state the designation of the divider system **(TS0, TS1...)**. version and number of dividers per cross section $[n_T]$. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances $[a_T/a_X]$ (as seen from the driver).

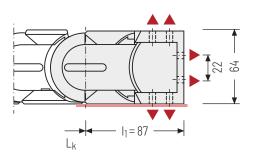
If using divider systems with height separation **(TS1, TS3)** please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.



TKA55 | End connectors | UMB

Universal end connectors UMB - plastic (standard)

The universal end connectors (UMB) are made from plastic and can **be mounted from the top, from the bottom, or face on**.

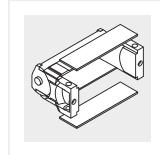


5.5 12.5 12.5 87

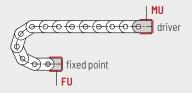
▲ Assembly options

Recommended tightening torque: 5 Nm for cheese-head screws ISO 4762 - M5 x 8.8

B_i [mm]	B EF [mm]	n _z
50	74	2 x 3
75	99	2 x 5
100	124	2 x 7
125	149	2 x 9
150	174	2 x 11
175	199	2 x 13
200	224	-
225	249	-
250	274	-



The end connectors are also available as an option **without** cover sheets. Please state when ordering.



Connection point

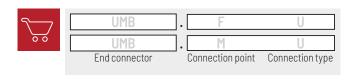
F - fixed point

M - driver

Connection type

U - Universal mounting bracket

Order example



PR0TUM®

K series

UNIFLEX Advanced series

> M series

> TKHD series

XL series

QUANTUM® series

TKR series

TKA